

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Reviewed by: Ralph Gosney

GENERAL INFORMATION:

Name:	Safety Kleen Systems, Inc.
Address:	3700 Lagrange Road, Smithfield, KY 40068
Date application received:	May 10, 2004
SIC/Source description:	4953 / Refuse Systems, Recycling and Waste Materials
Source ID #:	021-103-00005
Source A.I. #:	1854
Activity #:	APE20040001
Permit number:	V-05-060

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☒ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY⁽¹⁾:

Pollutant	Actual (tpy) ⁽²⁾	Potential (tpy)
PM/PM ₁₀	0.486/0.486	1.57/1.57
SO ₂	0.0	55.75
NO _x	0.0	15.71
CO	0.0	3.93
VOC	43.07	85.83
Lead	0.0	0.0
Total HAP	70.00	82.63
Worst Case HAP > 10 tpy (Vinyl Chloride)	61.96	42.93

Notes:

- (1) Please refer to Appendix A of the Statement of Basis for detailed emission calculations (Pages 1 through 16).
(2) Actual emissions are based on Emissions Inventory System report for 2004.

SOURCE PROCESS DESCRIPTION:

The Safety Kleen Systems, Inc. New Castle Recycle Center is a solvent and organic chemical recycling plant designed to receive, store and process spent organic solvent from Safety Kleen service centers and from commercial and industrial generators. In addition, the facility blends solvents with little or no recyclable value, along with distillation bottoms and other high BTU materials into a supplemental fuel. The facility uses several primary types of treatment including: distillation, evaporation, mixing, blending and filtering.

OPERATIONAL FLEXIBILITY:

Safety Kleen Systems, Inc is not restricted to hours of operation or quantity of product produced.